

AMENDMENTS TO THE CLAIMS

Please cancel claims 1-15, 18-28 and 43 without prejudice or disclaimer of its underlying subject matter.

1-43. (Canceled)

Please add the following new claims.

44. (New) An optical pickup apparatus comprising:

an optical member attached to an objective lens plate and a substrate, said optical member being between said objective lens plate and said substrate;

a mount member attached to a light source and said substrate, said mount member being between said light source and said substrate; and

a light receiving element attached to said substrate, said light receiving element being between said optical member and said substrate,

wherein said light beam emitted from said light source is illuminated through said objective lens plate onto a recording face of an optical disk, said light beam reflected by said recording face being received through said objective lens plate by said light receiving element.

45. (New) The optical pickup apparatus according to claim 44, wherein said light source and said mount member are covered with an anticorrosion element.

46. (New) The optical pickup apparatus according to claim 45, wherein connection terminals provide a driving signal to said light source and electric terminals on said substrate relay said driving signal, said connection and said electric terminals being covered with said anticorrosion element.

47. (New) The optical pickup apparatus according to claim 45, wherein said anticorrosion element is a synthetic resin material.

48. (New) The optical pickup apparatus according to claim 44, wherein said substrate is attached to a support plate, said support plate having a thermal conductivity and a heat radiating property.

49. (New) The optical pickup apparatus according to claim 48, wherein said support plate is made of copper.

50. (New) The optical pickup apparatus according to claim 48, wherein said support plate is made of iron plated with copper.

51. (New) The optical pickup apparatus according to claim 48, wherein said support plate has a heat radiating fin provided thereon in a projecting manner in a direction in which said radiating fin approaches said recording face.

52. (New) The optical pickup apparatus according to claim 48, wherein said support plate is attached to a load beam, said load beam being adapted to transmit and radiate heat from said light source.

53. (New) The optical pickup apparatus according to claim 52, wherein grease is between said support plate and said load beam, said grease being adapted to transmit heat.

54. (New) The optical pickup apparatus according to claim 52, wherein said load beam has a heat radiating fin provided in a projecting manner in a direction in which said load beam approaches said recording face.

55. (New) The optical pickup apparatus according to claim 52, wherein said load plate is made of copper.

56. (New) The optical pickup apparatus according to claim 52, wherein said load plate is made of iron plated with copper.

57. (New) The optical pickup apparatus according to claim 44, wherein an objective lens is incorporated within said objective lens plate, said light beam passing through said objective lens.

58. (New) The optical pickup apparatus according to claim 44, wherein said optical member is adapted to change a polarization of said light beam between linearly polarized light and circularly polarized light.

59. (New) The optical pickup apparatus according to claim 44, wherein said optical member includes a polarizing beam splitter and a quarter-wave plate.

60. (New) The optical pickup apparatus according to claim 59, wherein said polarizing beam splitter is between said quarter-wave plate and said substrate.

61. (New) The optical pickup apparatus according to claim 59, wherein said polarizing beam splitter is in contact with said quarter-wave plate and said substrate.

62. (New) The optical pickup apparatus according to claim 59, further comprising:

a slider opposed to said recording face, said objective lens between said slider and said optical member.

63. (New) The optical pickup apparatus according to claim 62, wherein the optical pickup apparatus is levitated along a thicknesswise direction of said optical disk by an air flow formed between said slider and said recording face.

64. (New) The optical pickup apparatus according to claim 62, wherein said objective lens plate is in contact with said slider and said quarter-wave plate.

65. (New) The optical pickup apparatus according to claim 44, wherein said light source is adapted to emit a light beam from a light emitting face and emit a monitoring light from a face other than said light emitting face.

66. (New) The optical pickup apparatus according to claim 65, wherein said light source includes a light emitting element and a photo-detector, said light emitting element being adapted to emit said light beam, said photo-detector being adapted to monitor said monitoring light.

67. (New) An optical disk apparatus comprising:

the optical pickup apparatus according to claim 44; and

a driving apparatus adapted to hold and drive the optical disk to rotate.